

4-Port Multi Monitor Adapter - Mini DisplayPort to DisplayPort MST Hub - 4x 1080p - Video Splitter for Extended Desktop Mode on Windows PCs Only - mDP to Quad DP Monitors

Product ID: MSTMDP124DP



This MST hub lets you connect four monitors to your Mini DisplayPort (mDP) 1.2 equipped Windows tablet, laptop or desktop.

The newest generations of computers are more portable than ever, which often means that you're left with fewer video outputs and smaller integrated screens. This MST hub solves both of these problems by letting you connect four additional displays to your computer, which makes multitasking much easier.

With the MST hub, you can use Mini DisplayPort video adapters and cable adapters that enable you to connect HDMI, VGA or DVI displays. This ensures that your MST hub will be compatible with virtually any television, monitor or projector. The hub is VESA and DisplayPort certified to support DP 1.2 enabled systems, for seamless integration with your existing video equipment.

Using the MST hub, you can extend your desktop onto additional monitors and stream independent content to each display, giving you the freedom to multitask and increase your productivity. You can also mirror the same image onto multiple displays for remote viewing applications such as digital signage.

MST technology uses your existing video card to minimize the use of system resources while delivering Ultra HD 4K resolutions. This unprecedented performance makes MST perfect for high-resolution applications such as graphic design, gaming and medical imaging.

Note: When using a DisplayPort 1.1 video card the MSTMDP124DP will act as a splitter, automatically mirroring your video source across all displays. Resolution limitations apply.

The MSTMDP124DP supports plug-and-play installation for a hassle-free setup, and is backed by a StarTech.com 3-year warranty and free lifetime technical support.

Notes: MST shares 21.6 Gbps across all attached displays. Higher resolutions can restrict the available bandwidth with the remaining ports, please see our guideline below for determining an ideal resolution for your setup. Certain graphics adapters have limited MST support and will only output to three displays in total. If more than three monitors are attached, the fourth will be disabled.

The Surface Pro 3, Surface Pro 4, and Surface Book only support the use of three displays in total. If this device is used with the Surface Pro 3, and three external monitors, the built-in touch screen on your Surface will be disabled.

Average resolution bandwidth allocation

1920x1080 (High-definition 1080p) @60hz - 22%

1920x1200 @60hz - 30%

2560x1440 @60hz - 35%

2560x1600 @60hz - 38%

3840 x 2160 (Ultra HD 4K) @30hz - 38%

Note: Exceeding 100% will reduce functionality.

Examples of supported resolution configurations

Examples of unsupported resolution configurations

Certifications, Reports and Compatibility

Applications

- Add additional displays to your Surface Pro 3
- Build a four-display video wall to present entertainment to your patrons with an impressive display at a restaurant or shopping center
- Use one screen for reference data such as websites, while composing in another screen
- Dock your mDP 1.2 device and add four high-resolution displays to your workstation
- Create a panoramic video wall for digital signage applications
- Edit images, video or audio clips across four additional displays in any orientation or resolution
- Span a spreadsheet or worksheet across multiple displays, to avoid side-scrolling

Features

- **MULTI MONITOR ADAPTER FOR WINDOWS:** 4-port Mini DisplayPort to DisplayPort MST hub drives up to four DP displays in extended or duplicate mode using a Mini DP port on Windows desktop PCs or laptops. Not compatible with macOS
- **DISPLAY RESOLUTION:** Quad monitor mDP to DP MST hub supports HD resolutions up to 1080p 60Hz on all four monitors

- **COMPATIBILITY:** 4-Port Mini DP to DisplayPort MST video splitter works with laptops, computers or desktop graphics cards Requires host system with DP 1.2/HBR2/MST or later from HP, Dell & Lenovo and AMD, Nvidia & Intel video cards
- **INCREASE PRODUCTIVITY:** Increase productivity by extending your desktop at your workstation in the office/home office MST technology uses your GPU/video card performance to deliver uncompressed video and use minimal system resources
- **EASY TO USE:** Multiple monitor adapter natively supports Quad DP screens; Works w/ Windows only and provides an easy driverless setup
- **CONVENIENCE:** MST (multi-stream transport) hub is equipped with a built-in 7.5" (19cm) cable for video (Mini DisplayPort) and an AC power adapter Supports LPCM digital audio
- **GPU CAPABILITIES:** Please check your system's GPU capabilities to determine max number of displays supported; Some GPU chips (such as Intel HD Graphics) are not capable of supporting four displays

Hardware

Warranty	3 Years
Active or Passive Adapter	Active
Ports	4
AV Input	Mini DisplayPort - 1.2
AV Output	DisplayPort - 1.2
Audio	Yes
Chipset ID	MegaChips - STDP4320

Performance

Maximum Cable Distance To Display	6.6 ft [2 m]
Maximum Digital Resolutions	3840 x 2160 (Ultra HD 4K) @30hz
Supported Resolutions	1024x768
	1280x720 (High-definition 720p)
	1920x1080 (High-definition 1080p)
	1920x1200
	2560x1440
	2560x1600



3840 x 2160 (Ultra HD 4K) @30hz

Wide Screen Supported Yes

Audio Specifications DisplayPort - 5.1 Channel Audio

Connector(s)

Connector A Mini-DisplayPort (20 pin)

Connector B DisplayPort (20 pin)

Software

OS Compatibility
Windows 10 (32/64)
Windows 8/8.1 (32/64)
Windows 7(32/64)

Power

Power Source AC Adapter Included

Input Voltage 100 - 240 AC

Input Current 0.5 A

Output Voltage 5 DC

Output Current 3A

Center Tip Polarity Positive

Plug Type N

Power Consumption (In Watts) 15

Environmental

Operating Temperature 0C to 45C (32F to 113F)

Storage Temperature -20C to 70C (-4F to 158F)

Physical Characteristics

Color Black

Material Plastic

Cable Length 7.5 in [19 cm]



Product Length	15.2 in [38.6 cm]
Product Width	2.6 in [65 mm]
Product Height	0.6 in [15 mm]
Weight of Product	4.5 oz [127 g]

Packaging Information

Package Length	9.6 in [24.4 cm]
Package Width	6.0 in [15.3 cm]
Package Height	2.5 in [64 mm]
Shipping (Package) Weight	4.2 oz [118 g]

What's in the Box

Included in Package	4-Port Multi Monitor Mini DisplayPort MST Hub
	Universal power adapter (NA/EU/UK/AUS)
	Quick install guide

****Product appearance and specifications are subject to change without notice.***

